

**IN-PLANE TOROIDAL MEMORY CELL WITH VERTICALLY
STEPPED CONDUCTORS**

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Abstract of the Disclosure

A magnetic random access memory device uses toroid-like magnetic
memory cells. An axial opening extends through each of the memory cells and
is generally aligned along a first axis. A first conductor and a second conductor
pass through the axial opening of each memory cell and are generally aligned
10 with the first axis.